

National Functional Guidelines Report #03

Lab DATAC(ALS Environmental) **SDG** F2C32 **Case** 43795 **Contract** EPW11037 **Region** 6 **DDTID** 183445 **SOW** SOM01.2

Data Review Reports

Blanks

Blanks	BNA
BLB8	The following semivolatile samples have analyte concentrations reported less than the CRQL. The associated method blank concentration is less than the concentration criteria. Detected compounds are qualified U. Nondetected compounds are not qualified. Reported sample concentrations have been elevated to the CRQL.
	F2C40, F2C42, F2C44, F2C46, F2C48, F2C50, F2C52, F2C54, F2C57, F2C60, F2C63
	Benzaldehyde F2C40, F2C42, F2C44, F2C46, F2C48, F2C50, F2C52, F2C54, F2C57, F2C60, F2C63
	Phenol F2C40, F2C42
	Acetophenone F2C40, F2C42, F2C44, F2C46, F2C48, F2C50, F2C52, F2C57, F2C60, F2C63

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Data Review Reports

Blanks

Blanks	BNA_SIM
BLB8	The following semivolatile samples have analyte concentrations reported less than the CRQL. The associated method blank concentration is less than the concentration criteria. Detected compounds are qualified U. Nondetected compounds are not qualified. Reported sample concentrations have been elevated to the CRQL.
	F2C40, F2C42, F2C48, F2C60, F2C63
	Phenanthrene F2C48
	Naphthalene F2C40, F2C42, F2C48, F2C60, F2C63
	2-Methylnaphthalene F2C40
Blanks	BNA_SIM
BLB9	The following semivolatile samples have analyte concentrations reported greater than or equal to the CRQL. The associated method blank concentration is less than or equal to the concentration criteria. Detected and nondetected compounds are not qualified.
	F2C40, F2C42, F2C50
	Phenanthrene F2C40, F2C42
	Naphthalene F2C50
	2-Methylnaphthalene F2C42

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Data Review Reports

Continuing Calibration Verification

Continuing Calibration Verification	BNA
BC10	The following semivolatile samples are associated with an opening or closing CCV percent difference (%D) outside criteria. Detected compounds are qualified J. Nondetected compounds are qualified UJ.
	F2C40, F2C42, F2C48, SBLK99
	Pentachlorophenol SSTD020GW
	F2C40, F2C42, F2C48, SBLK99

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Data Review Reports

Continuing Calibration Verification

Continuing Calibration Verification	BNA_SIM
BC10	The following semivolatile samples are associated with an opening or closing CCV percent difference (%D) outside criteria. Detected compounds are qualified J. Nondetected compounds are qualified UJ.
	F2C32, F2C34, F2C36, F2C38, F2C40, F2C42, F2C44, F2C46, F2C48, F2C50, F2C52, F2C54, F2C57, F2C60, F2C63, SBLK78, SBLK86, SBLK99
	Pentachlorophenol SSTD0.4GK, SSTD0.4K3
	F2C32, F2C34, F2C36, F2C38, F2C40, F2C42, F2C44, F2C46, F2C48, F2C50, F2C52, F2C54, F2C57, F2C60, F2C63, SBLK78, SBLK86, SBLK99

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Data Review Reports

Detection Limit

Detection Limit	BNA
BDL1	The following semivolatile samples have analyte concentrations below the quantitaion limit (CRQL). Detected compounds are qualified J. Nondetected compounds are not qualified.
	F2C36, F2C38, F2C40, F2C42, F2C44, F2C46, F2C48, F2C50, F2C52, F2C54, F2C57, F2C60, F2C63, SBLK78, SBLK99
	Di-n-butylphthalate F2C42
	Fluoranthene F2C40
	Benzaldehyde F2C36, F2C38, F2C40, F2C42, F2C44, F2C46, F2C48, F2C50, F2C52, F2C54, F2C57, F2C60, F2C63, SBLK78, SBLK99
	Phenol F2C40, F2C42, F2C44, F2C50, F2C52, F2C60, SBLK99
	Acetophenone F2C40, F2C42, F2C44, F2C46, F2C48, F2C50, F2C52, F2C57, F2C60, F2C63, SBLK78, SBLK99
	Dimethylphthalate F2C42, F2C44, F2C52, F2C60
	Bis(2-ethylhexyl)phthalate F2C42, F2C50, F2C52, F2C60, F2C63

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Data Review Reports

Detection Limit

Detection Limit	BNA_SIM
BDL1	The following semivolatile samples have analyte concentrations below the quantitaion limit (CRQL). Detected compounds are qualified J. Nondetected compounds are not qualified.
	F2C32, F2C34, F2C36, F2C38, F2C40, F2C42, F2C44, F2C48, F2C50, F2C54, F2C57, F2C60, F2C63, SBLK78, SBLK99
	Benzo(k)fluoranthene F2C34, F2C36, F2C38, F2C40, F2C42, F2C54, F2C60, F2C63
	Anthracene F2C36, F2C38, F2C40
	Fluoranthene F2C44, F2C48, F2C50, F2C57, F2C60
	Benzo(g,h,i)perylene F2C34, F2C36, F2C38, F2C40, F2C42
	Fluorene F2C42
	Naphthalene F2C40, F2C42, F2C48, F2C60, F2C63, SBLK78, SBLK99
	Pyrene F2C44, F2C50, F2C57, F2C60
	Indeno(1,2,3-cd)pyrene F2C32, F2C34, F2C36, F2C38, F2C42, F2C54, F2C60, F2C63
	Benzo(a)anthracene F2C32, F2C42, F2C44, F2C50, F2C57, F2C60, F2C63
	Chrysene F2C32, F2C44, F2C50, F2C57, F2C60, F2C63
	Phenanthrene F2C36, F2C38, F2C44, F2C48, F2C50, F2C60, F2C63, SBLK99
	Benzo(b)fluoranthene F2C32, F2C44, F2C50, F2C57
	Benzo(a)pyrene F2C32, F2C38, F2C57, F2C60, F2C63
	2-Methylnaphthalene F2C40, F2C44, F2C50, F2C60, F2C63, SBLK99
	Dibenzo(a,h)anthracene F2C40

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Data Review Reports

Initial Calibration

Initial Calibration	BNA
BC5	The following semivolatile samples are associated with an initial calibration percent relative standard deviation (%RSD) outside criteria. Detected compounds are qualified J. Nondetected compounds are not qualified. Use professional judgement to qualify non-detected compounds.
	F2C32, F2C34, F2C36, F2C38, F2C40, F2C42, F2C48, SBLK86, SBLK99
	Pentachlorophenol SSTD020GL
	F2C32, F2C34, F2C36, F2C38, F2C40, F2C42, F2C48, SBLK86, SBLK99

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Data Review Reports

Initial Calibration

Initial Calibration	BNA_SIM
BC5	The following semivolatile samples are associated with an initial calibration percent relative standard deviation (%RSD) outside criteria. Detected compounds are qualified J. Nondetected compounds are not qualified. Use professional judgement to qualify non-detected compounds.
	F2C32, F2C34, F2C36, F2C38, F2C40, F2C42, F2C44, F2C46, F2C48, F2C50, F2C52, F2C54, F2C57, F2C60, F2C63, SBLK78, SBLK86, SBLK99
	Pentachlorophenol SSTD001GG
	F2C32, F2C34, F2C36, F2C38, F2C40, F2C42, F2C44, F2C46, F2C48, F2C50, F2C52, F2C54, F2C57, F2C60, F2C63, SBLK78, SBLK86, SBLK99

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Lab DATAC(ALS Environmental) SDG F2C32 Case 43795 Contract EPW11037 Region 6 DDTID 183445 SOW SOM01.2

Data Review Reports

TIC

TIC	BNA
BTIC1	A library search indicates a match at or above 85% for a TIC compound in the semivolatile sample. Detected compounds are qualified NJ. Nondetected compounds are not qualified.
	F2C32, F2C34, F2C36, F2C38, F2C40, F2C42, F2C44, F2C46, F2C48, F2C50, F2C52, F2C54, F2C57, F2C60, F2C63, SBLK78, SBLK86, SBLK99
	Hexatriacontyl pentafluoropropionate SBLK99
	Ethanone, 1-cyclopropyl- F2C48
	Dotriacontyl trifluoroacetate SBLK99
	13-Docosenamide, (Z)- F2C34, F2C42
	Hexylene glycol F2C32, F2C34, F2C44
	Hexadecanamide F2C32, F2C38, F2C40, F2C44, F2C48, F2C50, F2C52, F2C54, F2C60, SBLK78, SBLK99
	Triaccontyl trifluoroacetate SBLK99
	Dodecanamide F2C42
	5-Tetradecene, (E)- SBLK99
	1-Eicosene SBLK99
	Tetradecanamide F2C40, F2C42, F2C48, SBLK86, SBLK99
	1,4-Benzenedicarboxylic acid, bis(2-hydroxyethyl) F2C60
	2,5-Dimethyl-4-hydroxy-3(2H)-furanone F2C32, F2C34, F2C36, F2C38
	1-Octadecene F2C50, SBLK78
	9-Octadecene, (E)- F2C48
	5-Octadecene, (E)- F2C40
	Octatriacontyl pentafluoropropionate F2C48
	E-15-Heptadecenal F2C40, F2C42, SBLK99
	Decanamide- F2C36
	8-Pentadecanone F2C42, F2C48, SBLK78, SBLK99
	5-Eicosene, (E)- SBLK99
	3-Eicosene, (E)- SBLK78
	9-Octadecenamide, (Z)- F2C32, F2C34, F2C36, F2C38, F2C40, F2C42, F2C44, F2C46, F2C48, F2C50, F2C52, F2C54, F2C57, F2C60, F2C63, SBLK78, SBLK86, SBLK99
	Cetene F2C42, F2C50, SBLK78, SBLK99
	Sulfurous acid, butyl pentadecyl ester F2C42

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Data Review Reports

TIC

TIC	BNA
	Ethanol, 2-(dodecyloxy)- F2C40, F2C42, F2C44, F2C60
	Cholesterol F2C40, F2C50, F2C52
	Octadecanoic acid F2C52, F2C60
	10-Nonadecanone SBLK99
	Sulfurous acid, butyl heptadecyl ester F2C32
	1-Decene F2C60
	n-Hexadecanoic acid F2C42, F2C44, F2C50, F2C52, F2C60
	9-Eicosene, (E)- F2C40, F2C42, F2C48
	1-Decanol, 2-hexyl- F2C48
	1-Docosene F2C40, F2C48
	9-Acetylphenanthrene SBLK78
	cis-9,10-Epoxyoctadecanamide SBLK78
TIC	BNA
BTIC2	A library search indicates a match below 85% for a TIC compound in the semivolatile sample Detected compounds are qualified J. Nondetected compounds are not qualified.
	F2C32, F2C34, F2C36, F2C38, F2C40, F2C42, F2C44, F2C46, F2C48, F2C50, F2C52, F2C54, F2C57, F2C60, F2C63, SBLK78, SBLK86, SBLK99
	Unknown Ethane, isothiocyanato- F2C42
	Unknown 3-Pentenoic acid, methyl ester F2C38
	Unknown Ethanethioic acid, S,S'-[thiobis(methylene)] est F2C38
	Unknown 2-Propanone, 1-hydroxy- F2C34, F2C40, F2C42, F2C48
	Unknown Tetradecanamide F2C50, SBLK78
	Unknown 3-Pyridinecarboxylic acid, 1,2,5,6-tetrahydro-1- F2C48
	Unknown 9-Octadecenamide, (Z)- SBLK78
	Unknown Trichloroacetic acid, hexadecyl ester SBLK99
	Unknown Ethanol, 2,2'-oxybis- F2C42, F2C50, F2C52, F2C60
	Unknown Hydroxylamine, O-(3-methylbutyl)- F2C50, F2C52, F2C60, SBLK78
	Unknown 10-Chloro-9-anthronitrile SBLK78
	Unknown Decanamide- F2C34

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Data Review Reports

TIC

TIC	BNA
	Unknown 1H-Pyrrole-2,5-dione F2C32, F2C34, F2C36, F2C38, F2C40, F2C42, F2C48, F2C52, F2C57, SBLK78, SBLK86, SBLK99
	Unknown Hexane, 3-bromo- F2C34
	Unknown 2-Undecanone F2C40, F2C42, F2C48, SBLK99
	Unknown 2,3-Pentanedione F2C60
	Unknown Hexanoic acid F2C42
	Unknown Formic acid, chloro-, (3,4,4-trimethyl-1,2-dioxo F2C48
	Unknown 3,3-Dimethyl-2,4-pentane dione SBLK78
	Unknown Butanoic acid, 3-oxo-, 2,2,2-trichloroethyl este F2C48, SBLK99
	Unknown 1H-Pyrazol-5-ol, 1,3-bis(4-methoxyphenyl)- F2C63
	Unknown 8-Octadecanone SBLK78
	Unknown 3-Amino-2-cyclohexenone SBLK78
	Unknown 8-Pentadecanone F2C40, F2C50, F2C52
	Unknown 5-Oxotetrahydrofuran-2-carboxylic acid F2C42
	Unknown 14-Heptacosanone F2C42
	Unknown Pentadecanamide, 15-bromo- F2C48
	Unknown 2,5-di-tert-Butyl-1,4-benzoquinone F2C42
	Unknown 7,7-Dimethyl-2,3-dioxobicyclo[2.2.1]heptane-1-ca SBLK99
	Unknown 18-Pentatriacontanone F2C48
	Unknown 3-Pentenoic acid, 4-methyl- F2C50
	Unknown 3-Hexene-2,5-dione F2C40, F2C44, F2C46, F2C48, F2C50, F2C54, F2C60
	Unknown 2-Butenenitrile, 4-acetoxy-, (Z+E) SBLK78
	Unknown Guanidine, N-[3-[(2-bromophenyl)amino]-1-propeny F2C52
	Unknown Borane, diethyl(decyloxy)- F2C42
	Unknown 5-Hydroxy-4,4,6-trimethyl-7-oxabicyclo[4.1.0]hep SBLK86
	Unknown TATP SBLK78
	Unknown 3-Tridecanol SBLK99
	Unknown N,N',N''-Triethyldiethylenetriamine F2C50

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Data Review Reports

TIC

TIC	BNA
	Unknown Pentane, 3-ethyl-3-methyl- F2C40
	Unknown Phthalic acid, monoethyl ester F2C38, F2C40
	Unknown 2-Ethyl-1-dodecanol SBLK99
	Unknown Cyclododecanone, 2-methyl- SBLK78
	Unknown 6-Nitroundec-5-ene F2C50
	Unknown 16-Hentriacontanone F2C40, F2C42, F2C60
	Unknown 3-Acetyl-2-octanone F2C52
	Unknown Dodecanamide F2C60, SBLK86, SBLK99
	Unknown 6-Isopropylquinoline SBLK99
	Unknown Ethanone, 1-cyclopropyl- F2C50, F2C52, F2C60
	Unknown 4(1H)-Pyrimidinone, 5-methyl-2-(methylthio)- SBLK99
	Unknown Stearic acid hydrazide F2C40, F2C42
	Unknown 9-Acetylphenanthrene F2C48, F2C50, F2C52
	Unknown Hexylene glycol F2C36, F2C48, F2C50, F2C52, F2C60
	Unknown Isopentyloxyethyl acetate F2C38, F2C42
	Unknown Silane, dimethylnonyloxytridecyloxy- F2C54
	Unknown Hexane, 2-bromo- F2C36, F2C38
	Unknown 1-Octadecanesulphonyl chloride F2C32, F2C34, F2C38
	Unknown 1H-Imidazole, 2,4,5-triphenyl- SBLK78
	Unknown Ethanol, 2-(octadecyloxy)- F2C48
	Unknown 1-Mercapto-2-propanol, acetate F2C38
	Unknown Hexadecanoic acid, 4-nitrophenyl ester F2C44, F2C50, F2C52, F2C54, F2C57, F2C63
	Unknown Benzo[c]thiophen-1(3H)-one, 3-(3-oxobenzo[c]thio F2C46, F2C52, F2C57
	Unknown 4H-Imidazol-4-one, 2-amino-1,5-dihydro- F2C48
	Unknown Hexadecanamide F2C40, F2C42
	Unknown Butanamide, 3-methyl- F2C50
	Unknown 5-(2-Chlorophenyl)-3-[5-(trifluoromethyl)pyridin F2C44, F2C60

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Data Review Reports

TIC

TIC	BNA
	Unknown Palmitic acid vinyl ester F2C48, SBLK99
	Unknown Pyrazinamide F2C42
	Unknown 10-Nonadecanone F2C48, F2C60
	Unknown Oxiraneoctanoic acid, 3-octyl-, methyl ester, tr F2C52
	Unknown Phthalic anhydride F2C36, F2C38, F2C40, F2C42, F2C48, F2C50, SBLK99
	Unknown Isothiazole, 4-methyl- F2C40
	Unknown Oxalic acid, isobutyl octadecyl ester SBLK99
	Unknown Ethanone, 1-oxiranyl- F2C32
	Unknown 2(3H)-Furanone, 5-acetyldihydro- SBLK99
	Unknown Quinoline, 8-propyl- SBLK86
	Unknown 2-Pentanone, 3-methyl- F2C32, F2C34, F2C36, F2C38, F2C40, F2C42, F2C48, SBLK86, SBLK99
	Unknown D-Homoestra-1,3,5(10),15-tetraen-17a-one, 3-meth F2C54
	Unknown Picolinyl 8-(5-hexyl-2-furyl)-octanoate F2C44, F2C46, F2C50, F2C52, F2C57, F2C60, F2C63, SBLK78
	Unknown 2,5-Hexanedione F2C42
	Unknown Cyclohexane-1,2,3-trione-1,3-dioxime SBLK78
	Unknown 3-Penten-2-one, 4-(acetyloxy)-, (Z)- F2C44, F2C46
	Unknown 3-Acetylphenanthrene F2C40, F2C60, SBLK99